

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/22/97

Date Received: 10/14/97

Project: Silver Recovery, PO #M58728

Date Samples Extracted: 10/15/97

Date Extracts Analyzed: 10/17/97

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR SILVER USING METHOD 6010**

**Samples Processed Using Method 3005A
Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Silver</u>
M58728	30
Method Blank	<0.05

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**QUALITY ASSURANCE RESULTS
FOR SILVER BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 710068-01 (Duplicate)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Silver	mg/L (ppm)	30	30	0	0-20

Laboratory Code: 710068-01 (Matrix Spike)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery MS</u>	<u>% Recovery MSD</u>	<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
Silver	mg/L (ppm)	2	30	ai	ai	80-120	ai

Laboratory Code: LCS

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery MS</u>	<u>% Recovery MSD</u>	<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
Silver	mg/L (ppm)	2	105	106	80-120	1

ai - The amount spiked was insufficient to give meaningful recovery data.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

October 22, 1997

DUPLICATE COPY

INVOICE #97ACU1022-1

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Silver Recovery, PO #M58728: Results of testing requested by
Gerry Thompson for material submitted on October 14, 1997.

1 water sample analyzed for Silver
using Method 6010 @ \$35 per sample

\$ 35.00

Amount Due

\$ 35.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

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October 22, 1997

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 14, 1997 from your Silver Recovery, PO #M58728 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

A handwritten signature in black ink, appearing to be 'Kurt Johnson', written over a horizontal line.

Kurt Johnson
Chemist

Enclosures
ACU1022R.DOC